

REMARKS

Claims 1-14 are pending and stand rejected. All pending claims are believed to be allowable over the references cited by the Examiner as discussed below. Accordingly, a Notice of Allowance for the present application is respectfully requested.

Amendment to the Specification

Paragraph [0021] of the specification is amended to correct an obvious typographical error. In particular, paragraph [0021] is amended to correct a reference to FIG. 3 to a reference to FIG. 4. No new matter is believed to be added by way of this amendment.

Rejection of Claims 1-3, 5, 6, 9-12, and 14 Under 35 U.S.C. §103

Claims 1-3, 5, 6, 9-12 and 14 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Wu in view of Wong.

However, Wu in view of Wong fails to disclose or suggest the invention of the claims. For example, independent claim 1 generally recites a baffle having a main body portion defining and extending between inlet and outlet openings and a hook and loop material secured to an *interior surface* of the main body portion and configured and disposed to *engage with corresponding hook and loop material secured to the fan and/or the electronics component*. Similarly, claim 9, dependent from claim 7, generally recites the same hook and loop material, e.g., that the baffle includes a hook and loop material secured to an interior surface thereof and configured and disposed to engage with corresponding hook and loop material secured to at least one of the fans and the electronics component.

As noted by the Examiner, Wu fails to disclose the hook and loop material attached to the main body portion. The Examiner contends that Wong discloses "the baffle assembly and the hook and loop material to attach the baffle assembly to other components." However, Wong discloses a cooling duct secured by a retaining clip and retaining strap 106, 110 which are in turn secured to the PC enclosure 96 by Velcro-type pad sets. (Col. 5, lines 8-19; see also FIG. 5). Wong fails to disclose or suggest that a hook and loop material be directly secured to the duct 10 to engage with corresponding hook and loop material secured to the fan unit 120 and/or the processor and heat sink 100, as generally recited in claim 1, much less having the hook and loop material be secured to an interior surface of the duct 10, as generally recited in claim 1.

Instead, the only attachment mechanism provided on an interior surface of Wong's duct 10 are a pair of spaced apart stop brackets 122 formed as part of the outer wall 20 of the duct 10 and two pairs of spaced apart ribs 124 formed as part of the inner wall 18 of the duct 10, the stop brackets 122 and the ribs 124 being provided for attaching the fan unit 120 within the duct 10. Such an attachment bracket and rib mechanism does not disclose nor suggest the hook and loop material secured to an interior surface of the main body portion, as generally recited in claim 1. Rather, in contrast to the ease and speed of repeated installation and removal of the cooling baffle provided by the hook and loop material secured to an interior surface of the main body portion of the cooling baffle, Wong's attachment mechanism consisting of the stop brackets 122 and ribs 124 renders Wong's duct 10 not only difficult but also time consuming to repeatedly install and remove relative to the fan unit.

Additionally, with respect to claims 2 and 11, each of claims 2 and 11 additionally recites that the baffle includes a flange *configured to engage with a hold down tab defined by the electronics component base*. The Examiner contends that Wu discloses "a flange 23 configured to be in contact with an electronics component base to which the drive cooling baffle, the fan, and the electronics component are attached." However, Wu's flange 23 is actually a sealing, i.e., adhesive, strip that seals the guide body 2 to the main board 16 of the server. Specifically, Wu states that "The guide body 2 has a periphery provided with a sealing strip 23 *rested on the main board 16 of the server, thereby providing a sealing effect* between the guide body 2 and the main board 16 of the server." (Col. 3, lines 2-5, emphasis added). Wu further states "The guide body 2 may form a *closed space* by the sealing strip 23, thereby collecting the air flow, and thereby *preventing the air flow from leaking outward*, thereby enhancing the heat dissipation effect. (Col. 3, lines 56-60, emphasis added). Thus, although Wu's sealing strip 23 is configured as a flange, the sealing strip 23 does not *engage with a hold down tab defined by the electronics component base*, as generally recited in each of claims 2 and 11.

Thus withdrawal of the rejection of claims 1-3, 5, 6, 9-12 and 14 under 35 U.S.C. §103(a) as being unpatentable over Wu in view of Wong is respectfully requested.

Rejection of Independent Claim 7 Under 35 U.S.C. §102(a)

Claim 7 stands rejected under 35 U.S.C. §102(a) as being anticipated by Wu. Applicant respectfully disagree.

Claim 7 generally recites a drive cooling system that includes both an inflow fan and an outflow fan as well as a drive cooling baffle extending generally between the inflow and outflow fans and configured to generally enclose at least one electronics component to be cooled.

Wu, on the other hand, does not disclose both an inflow fan and an outflow fan. Rather, Wu only discloses a single inflow fan set 14. For example, Wu explicitly states that "the air flow contained in the front end 11 of the support frame 1 of the server is sucked through the fan set 14 to enter the air flow guide region 24 of the guide body 2, such that the air flow produced by operation of the fan set 14 is guided and collected in the air flow guide region 24 of the guide body 2, so as to provide a heat dissipation effect to the inner parts (such as the central processing units 17 and 17') of the server." (Col. 3, lines 14-22. See also, for example, FIGS. 1, 2, 4, and 5).

As is evident, Wu clearly does not disclose or suggest both inflow and outflow fans. Thus, withdrawal of the rejection of independent claim 7 under 35 U.S.C. §102(a) is respectfully requested.

Rejection of Claim 8 Under 35 U.S.C. §103

Claim 8 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Wu in view of Tomioka. However, because Wu fails to disclose or suggest the invention of independent claim 7 from which claim 8 depends, claim 8 is believed to be allowable at least for the same reasons that claim 7 is believed to be allowable.

CONCLUSION

Applicant believe that all pending claims are allowable and respectfully request a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

In the unlikely event that the transmittal letter accompanying this document is separated from this document and the Patent Office determines that an Extension of Time under 37 CFR 1.136 and/or any other relief is required, Applicant hereby petitions for any required relief including Extensions of Time and/or any other relief and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. **50-1217** (Order No. **GOOGP013**).

Respectfully submitted,



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